

SLE-3 Giogno P.B.5818 - Patenthan 20 4, D.Z., 2002 2280 HV Rijswijk (ZH) 4, D.Z., 2002 TX 31651 epo ni SE FAX +31 70 340 3016

Europäisches Patentamt

Zweigstelle in Den Haag Recherchenabteilung European Patent Offic

Branch at The Hague Search division Office europé n des brevets

Département à La Haye Division de la recherche

ABB Patent Attors c/o ABB Schweiz A Intellectual Prop Brown Boveri Stra 5400 Baden SUISSE	AG, perty (CH-LC/IP),			7 J91	
	Agenda	6. 75%. 5003	!: .	Gestriction Da	tum/Date 29.11.02
Zeichen/Ref./Réf. 02/063 EP Anmelder/Applicant/Demandeur/Pate ABB RESEARCH	entinhaber/Proprieto		Nr./Appli	cation No./Demands/1 02405605.3	n°/Patent Nr./Patent No/Brevet n°. -2208-

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

X title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

3

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





EUROPEAN SEARCH REPORT

Application Number EP 02 40 5605

Category	Citation of document with of relevant pas	indication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF TH APPLICATION (Int.CI.7)
D,A	DE 100 14 197 A (A 27 September 2001	BB RESEARCH LTD)	1-6	H01L39/16
A	CORP), 29 January : * abstract * -& JP 05 022855 A (CORP) 29 January 19	(E-1379), -06-11) MITSUBISHI ELECTRIC 1993 (1993-01-29) (MITSUBISHI ELECTRIC	1-4	
A	DE 27 12 990 A (INSELEKTRISCHE HOCHLES 29 December 1977 (1 * page 4, paragraph 2; figure 3 *		TECHNICAL FIELDS SEARCHED (Int.CI.7	
A	ET AL) 13 June 2002 * page 1, line 12 -	MENS AG; FISCHER STEFA 2 (2002-06-13) - page 3, line 20 * - page 11, line 14 *	N 1,6	H01L H02H
L	The present search report has	•		Examiner
	THE HAGUE	Date of completion of the search 22 November 20		f, C
X : parti Y : parti docu A : tech	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anomet of the same category nological backgroundwritten disclosure	T : theory or prin E : earlier patent after the filing ther D : document cit	ciple underlying the document, but public gate din the application ed for other reasons	invention

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 02 40 5605

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-11-2002

Patent document cited in search report	Publication date		Patent family member(s)	Publicatio date
DE 10014197 / A	27-09-2001	DE	10014197 A1	27-09-200
JP 05022855A	29-01-1993	NONE		
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nore details about this annex : see				

Translation of the explanations ("Erklärungen") of enclosure 2 ("Anlage 2") of the search report of the German Patent Office ("Deutsches Patentamt") explaining the symbol letters stating the relevancy of the cited references:

Explanations

Column 1: Category

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It means:

- X: References which alone question either novelty or inventiveness
- Y: References which question inventiveness together with other references
- A: State of the art in general, technological background
- O: Non-written disclosure, e.g. lecture being published in a reference dated later than the filing date or priority date, and having been held before the filing or priority date
- P: References published prior to the filing date but later than the priority date claimed
- T: References published after the filing date or priority date, and not being in conflict with the application, which concern the theory of the invention and which are cited to better understand the invention or to prove that the principle or theory underlying the invention could be wrong
- E: Prior applications according to § 3 par. 2 PatG (German Patent Statute) (for searches according to § 43 PatG); prior patent applications or prior utility models according to § 15 GbmG (German Utility Model Statute) (for searches according to § 7 GbmG)
- D: References already cited in the patent application
- L: References cited for special reasons, e.g. to establish the publication date of another citation or if there exist doubts on priority claim(s)

In searches according to § 7 GbmG only categories "A" and "E" are indicated.

Column 2: Cited references / illustrations

Veröff: Date of publication of a reference published in the priority period

- nr: Not searched, since belonging to well known state of the art, or not searchable
- =: References which are member of the same patent family or which are referenced by lectures or abstracts
- "-": Nothing ascertained

Column 3: Concerned claims

In this column, the claims allocated to the relevant passages of column 2 are indicated.